### (19) World Intellectual Property Organization

International Bureau



## 

# (43) International Publication Date 25 August 2005 (25.08.2005)

**PCT** 

# (10) International Publication Number WO 2005/076969 A2

(51) International Patent Classification: Not classified

(21) International Application Number:

PCT/US2005/003739

(22) International Filing Date: 7 February 2005 (07.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(20) P. I. I. P. (

(30) Priority Data: 60/542,335 6 February 2004 (06.02.2004) US

(71) Applicant (for all designated States except US): CHIL-DREN'S MEDICAL CENTER CORPORATION [US/US]; 300 Longwood Avenue, Boston, MA 02115 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DEL NIDO, Pedro [US/US]; Children's Hospital of Boston, 300 Longwood Avenue, Boston, MA 02115 (US). SUE-MATSU, Yoshihiro [JP/US]; Children's Hospital of Boston, 300 Longwood Avenue, Boston, MA 02115 (US). CANNON, Jeremy [US/US]; Children's Hospital of Boston, 300 Longwood Avenue, Boston, MA 02115 (US). FREUDENTHAL, Franz [BO/BO]; Interventional Cardiology Medical Consulting, P.O. Box 100, La Paz (BO).

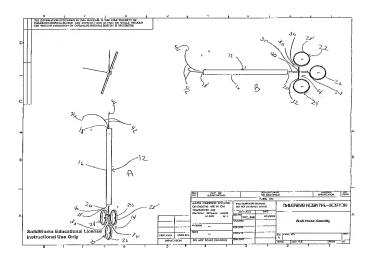
(74) Agent: RINALDO, Amy, E.; Kohn & Associates, PLLC, 30500 Northwestern Highway, Suite 410, Farmington Hills, MI 48334 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

### (54) Title: DEPLOYMENT DEVICE FOR CARDIAC SURGERY



(57) Abstract: A deployment device for deploying a material into a patient, said deployment device having a housing and a placement device including a retracted condition within the housing for holding a material, in a collapsed condition, within the housing and an extended condition from the housing for disposing and releasing the material at a predetermined site in an uncollapsed condition. A method of deploying a material by placing the placement device in an extended condition and affixing the material to the extended placement device, retracting the placement device into the housing with the material in a collapsed condition, extending the placement device, and placing the material at a predetermined site in an uncollapsed condition.

## WO 2005/076969 A2

FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

### Published:

 without international search report and to be republished upon receipt of that report